CLAIMS

1. An antenna device comprising a plurality of antennas 21 connected to a radio module 41 through respective cables, the radio module 41 being capable of selecting one or more of the antennas 21 in good communication conditions, wherein a movable case is pivoted to a base case through a three-dimensional joint 3, and the radio module 41 is contained in the base case, while the plurality of antennas 21 are disposed in the movable case, the plurality of cables extending from the plurality of antennas 21 being tied in a bundle to pass through a through hole 34 provided in the three-dimensional joint 3, and being connected to the radio module 41.

2. The antenna device according to claim 1, wherein the three-dimensional joint 3 comprises a pivot portion 31 projecting from one of the base and movable cases, a spherical portion 32 provided on an end of the pivot portion 31, and a sphere receiving portion 43 provided in the other case, to which the spherical portion 32 fits so as to rotate freely, the through hole 34 penetrating through the pivot portion 31 and the spherical portion 32 to open to an inside of the one case and to an inside of the other case.